



July 11, 2007 – Summary Meeting Minutes

Call to Order/Introductions

A meeting of the Maricopa County Local Emergency Planning Committee (MCLEPC) was held on July 11, 2007 at the Tolleson City Hall Building located at 9555 W. Van Buren, Tolleson, Arizona. A quorum being present, Chairman Fusco called the meeting to order at 2:07 pm. Mr. Fusco thanked Mr. Reyes Medrano, City Manager and Fire Chief George Good for hosting this meeting. Guests and members were then instructed to introduce themselves.

Members/Designees Present

Steve Brittle	Don't Waste Arizona
Michael Fusco, Chairman	City of Peoria Safety/Emergency Management
Ron Jamison	City of Phoenix Fire Department
Alan Jensen	City of Tempe Fire Department
David Jones	City of Scottsdale Emergency Services
Tim Jones	ON Semiconductor
Warren Leek	Maricopa County Dept of Emergency Management
John Power	Maricopa County Environmental Services
Michael Trapasso	Univar USA, Inc.
MaryAlice Witzel	Banner Good Samaritan Medical Center
Kip Schlum (for Rob Gunter)	City of Glendale Homeland Security Department
Gil Damiani (for Bob Horn)	City of Mesa Fire Department

Members Absent

Tom Abbott	City of Tempe Fire Department
Sheriff Joe Arpaio	Maricopa County Sheriff's Office
Cloves Campbell, Jr.	Arizona House of Representatives
Cristina Herrera	Maricopa County Dept of Emergency Management
Tim Newbill	City of Goodyear/Emergency Management
Jack Pike	American Red Cross
Hal Rosen, Vice Chairman	Envirosure Solutions, LLC
Gary Smith	KTAR
Chris West	Honeywell Electronic Chemicals LLC

Guests

Travis Quall
Steve Howard
George Good
Chris Haupt
Pat Brady
Dan Roe
Bob Hansen
Kent Snide
Randy Frank
Emily McCann
Greta Rogers
John Murdaugh
Dave May
Mark Blackwell
Ron Friesen
Marc Shoub
Larry Contreras
Tom Whitmer
Tom Bates
Reyes Medrano

AZ Dept of Public Safety/HazMat
Mary Vale Hospital
Tolleson Fire Department
DPC Enterprises
BNSF Rail Road
Arizona Emergency Response Commission
Tolleson Fire Department
Tolleson Fire Department
Bay State Milling
West Valley View
Citizen
Apex Refrigeration/RETA
Atlas
BNSF Rail Road
Citizen
Crown Systems
Phoenix Fire Department
Arizona Corporation Commission/RR Safety
Phoenix Fire Department
City of Tolleson

LEPC Support Staff

Jean Morrow
Kamilah Manuel
Holly Carpenter

Maricopa County Dept of Emergency Management
Maricopa County Dept of Emergency Management
Maricopa County Dept of Emergency Management

Review/Approve Minutes

Chairman Fusco called for a motion to accept the April 2007 minutes as written. Mr. Warren Leek moved to accept the minutes as written. Mr. David Jones seconded and the motion was unanimously approved.

Executive Director's Report

It was recommended that this item be tabled until the next meeting due to Ms. Herrera's absence.

Subcommittees: (Action)

Table Top Exercise After-Action Report – There was some discussion in regards to the participation comments not reflected in the written report. It was recommended that this item be tabled until the next meeting due to Ms. Herrera's absence.

New Member Recommendations – The following member nominations and resignations were reviewed and approved:

Mr. Craig Blum - Maricopa County Dept of Transportation (New)

Mr. Chris Haupt – DPC Enterprises (New)

Gil Damiani – City of Mesa Fire Department/Emergency Management (Replacing Bob Horn)

Bob Horn – City of Mesa Fire Department/Fire Prevention (Resigning)

Mr. Tim Jones, Membership Subcommittee Chair, reported that the Subcommittee met on June 27th, 2007 and reviewed membership attendance and membership composition. He stated that the Executive Director was seeking a representative from the public health sector and a citizen at large. He also stated that the Executive Director will contact members who have had two consecutive unexcused absences. Mr. Fusco called for a motion to accept the new members. Mr. Steve Brittle moved to accept Craig Blum, Chris Haupt and Gil Damiani as new members. Mr. Jones seconded and the motion was unanimously approved.

Mr. Jones pointed out to Chairman Fusco that the Education Subcommittee Chairman position was still vacant. Mr. Damiani volunteered. Action will be taken at the next meeting.

New Officer Position – Immediate Past Chair – Mr. David Jones, Rules Subcommittee Chair, reported that a new officer position needed to be created to assist with the continuation of programs. He stated the Past Chair will serve as Chair of the Ad Hoc Committee. He stated that the Past Chair will report to the Chairman and assist as directed. Chairman Fusco instructed Mr. Jones to develop an amendment to the Committee Rules for the next meeting. Chairman Fusco called for a motion. Mr. Jones moved to create a new position of Immediate Past Chair. Mr. Jamison seconded and the motion was unanimously approved.

Chlorine Safety/Rail Transportation

The Committee members and guests watched a DVD titled, “Chlorine Emergencies – An Overview for First Responders” provided by the Arizona Emergency Response Commission and produced by the Chlorine Institute. Mr. Patrick Brady, Assistant Director HazMat – BNSF Railway, apologized that he did not have a formal presentation but welcomed questions from the Committee and/or guests. Mr. Brady stated that chlorine is an inhalation hazard and isn’t absorbed by the skin. He also stated that it was futile to try knocking down a chlorine cloud with water since it was less than 10% soluble in water and that over 90% of the chlorine was going to go right through the water fog. He also stated that decontamination was not worth the time because dense gas would not hang onto the skin but that it would dissipate. He further stated there is a toll free number at each railroad crossing (1-800-832-5452) and that during an emergency someone at that number would be able to shut down the track and stop the train. He stated that depending on the scenario, decisions would have to be made as to whether the train should be stopped or have it continue on its way to an isolated area to be stopped and inspected. He further stated that some chlorine producers were planning on putting chlorine monitors on their car. Mr. Brady then stated that chlorine will go downhill and sometimes upwind because it was so dense and that if there was a hole in the railcar there was really nothing the emergency responders could do to plug the hole as the chlorine would come out as a liquid and at some point the chlorine would auto refrigerate. He stated that chlorine would build up pressure in

excess of 200 pounds per square inch and blow the patch off. He further stated that from the plume model stand point and how big the plume is going to be depended on four factors:

1. How much chlorine is released.
2. Wind speed.
3. Temperature.
4. Vegetation (will eat up a lot of the chlorine on the ground).

Mr. Brady stated that although there have been incidents, chlorine transportation is safe and that millions of tons are transported on a yearly basis with very little problem. The following questions were addressed by Mr. Brady:

- Q. Would you say most of the releases are caused during transfer?
- A. The vast majorities are non accident releases due to a faulty valve that vibrated open, or a loose plug and it would start leaking. These are caught during inspection.
- Q. In some of the worst case scenarios when the modeling shows the plume going out 20 plus miles, will the auto refrigeration prevent it from going out this far?
- A. Good models such as the one they (BNSF Railway) use, originally put together by Dupont and also such as Cameo look at the cooling effect of the liquid. A lot of the models don't take into consideration the absorption of chlorine into vegetation such as trees and grass. In the three large chlorine releases in the United States in the last 10 years in, Albertson, Montana, the one near San Antonio, Texas and Graniteville, South Carolina, in all three cases the models grossly over estimated how far the chlorine release was going to go. The Chlorine Institute in conjunction with the Association of American Railroads is looking at trying to validate some of the models and change some of the calculations.
- Q. With diffusion in the water being less than 10%, if there's a large amount of Chlorine from a railcar that is introduced into the water does this have larger implications?
- A. When the chlorine hits the water as a liquid it will flash and go to a gas, so you'll just have chlorinated water at that point. It will produce a lot of heat.

Further discussion followed regarding the incident that took place in Graniteville South Carolina and Mr. Brady concluded by saying that shelter-in-place is the only option. He stated that transportation via railroad is 7 ½ times safer than that of a truck. He posed the following question, "Why do railroads transport hazardous material?" He stated that there are three reasons why:

1. Money - They don't do it for free.
2. Public Policy - It's the safest mode of transportation.
3. Federal Law - They have to provide the shipper with a competitive rate to move it.

This concluded Mr. Brady's presentation and Chairman Fusco thanked him for providing good information to take into consideration in the planning process.

Ammonia Safety Event

Mr. John Murdaugh, President of R.E.T.A. (Refrigeration Engineers & Technicians Association) stated that currently there is an Ammonia Safety Event in Salinas, California and also in Yuma, which started about three years ago. He stated he was trying to introduce Ammonia Safety Events in the Phoenix area and is aware that there are 48 facilities that use Anhydrous Ammonia in the area. He also stated that he would make the list available to anyone interested in reviewing it. He added that $\frac{2}{3}$ of them are taken care of by the contractor he works for. Mr. Murdaugh stated that there are at least 60 or 70 facilities that use Anhydrous Ammonia in their operations and that some of them have at least 70,000 lbs. He explained that a lot of the systems have been purposely kept under 10,000 lbs to try to get away from doing process safety management and in return this makes these plants less safe. Mr. Murdaugh stated that there was a lot of exposure to personnel but very little awareness and that a lot of these facilities use different consultants, therefore, the degree of thoroughness varies widely when they do their reviews and write ups. He said that because of these processes, in the past a leak that could have been mitigated in 1 hour ended up taking 4½ hours. Mr. Murdaugh stated that the people who run the Yuma Ammonia Safety Event voiced their concern of attendee dilution by holding one in Phoenix and he understood that this was a concern of Mr. Roe's also. He stated that the only thing he thought might cause lower attendance is that some valley area emergency responders and government officials may end up attending the one in Phoenix. Mr. Murdaugh stated that the Phoenix industry differed in various ways from Yuma. He further stated that Yuma solicits sponsorships and sells space for trade booths. He stated that the challenge Phoenix would have is getting started and currently there is funding of approximately \$10,000 to \$12,000 and also possibly grant money that Ms. Herrera was researching. Mr. Murdaugh said that Phoenix could possibly look into holding an event either in late October or early November, or possibly wait a year and grow a little slower. He stated that attendance would be free and Yuma's event is held in February. Further discussion followed and Chairman Fusco requested that Mr. Steve Brittle, Plans Subcommittee Chair, work with Ms. Herrera to find a venue and promote awareness of R.E.T.A. Chairman Fusco called for a motion. Mr. David Jones moved to accept the request from RETA for assistance. Mr. Mike Trapasso seconded and the motion was unanimously approved. Chairman Fusco thanked Mr. Murdaugh for the presentation.

Call to Public/Comments on Plan

Mr. Dan Roe, Executive Director, Arizona Emergency Response Commission offered free Fire Pal DVD's, created by the Phoenix Fire Department. He stated that he would leave the copies with Mr. Fusco and that his preference is to control the duplication and if any more copies were needed to go through him. Mr. Roe announced that in addition he could provide additional copies of the Chlorine Emergencies DVD as well. He further stated that senate bill 1112 (Toxic Fire Bill) passed and that it required a task force group from municipalities with 75,000 populations or greater to convene and review documentation and share information of facilities that have hazardous materials. He stated that the Commission's initial task is to appoint a Chair and Co Chair and that there will be a meeting the last week of September, 2007. He stated that he will keep the LEPC informed and that the information/requirements were on their web page (<https://www.azserc.org/Default.aspx>) under the statutes.

Mr. Ron Friesen (3822 W. Ocotillo, Phoenix, AZ 85019) stated there were communication concerns identified at the Table Top Exercise that was held in May 2007. Chairman Fusco acknowledged that there were issues that needed to be resolved with the planning process and concurred that there were participant feedback concerns that needed to be considered.

Adjournment and Next Meeting

Chairman Fusco called for a motion to adjourn the meeting. Mr. Brittle made the motion which was seconded by Mr. Tim Jones. The motion was then unanimously approved. The meeting then adjourned at 3:35 p.m. The next meeting will be held on October 3, 2007 from 6 – 8 pm in Mesa at the Mesa City Plaza which is located at 20 E. Main Street.

Cristina Herrera
Executive Director

Note 1: These minutes are considered DRAFT until approved at the next formal meeting.

Note 2: Meetings are open to the public and posted according to the Open Meeting Law.

Note 3: Members of the public have an opportunity to address the Committee under the *Call to the Public*.

Note 4: Members of the public have an opportunity to review the Hazardous Materials Response Plan and provide comments.

Note 5: Agenda items may be taken out of order.